ABSTRACT

Systems and techniques for improved accuracy of bar code detection and decoding are described. A bar code scanner employs a rotating spinner to reflect a laser beam used to produce one or more scan patterns emerging from scan windows. The scanner produces a scanner signal in response to light entering the scan windows, and processes the scanner signal to detect and decode bar codes within a scan field of the scanner. The rotational position of the spinner is continuously monitored and adjustments to processing parameters are made and other actions are taken based on the rotational position of the spinner, so as to improve reliability and accuracy of bar code detection and processing.